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MLW/man 11/18/03 PATENT APPLICATION DOCKET NO.: 1440.2032-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Robert J. Thomas and Robert W. Daly

Title:

GAS SYSTEMS AND METHODS FOR ENABLING RESPIRATORY

STABILITY

Date: 11/18/03

EXPRESS MAIL LABEL NO. EV 215129811 US

<u>INFORMATION DISCLOSURE STATEMENT</u>

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

~	
This	Information Disclosure Statement is submitted:
	under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)
[x]	under 37 CFR 1.97(b), or (Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
[]	under 37 CFR 1.97(c) together with either: [] a Statement under 37 CFR 1.97(e), as checked below, or [] a \$180.00 fee under 37 CFR 1.17(p), or (After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
[]	under 37 CFR 1.97(d) together with: [] a Statement under 37 CFR 1.97(e), as checked below, and [] a \$180.00 fee under 37 CFR 1.17(p), or (Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
[]	under 37 CFR 1.97(i): Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper. (Filed after payment of issue fee)

Statem	<u>ien</u>	t Une	ier 3/	JFR 1.9/(e)
[]	ar	ıy co	mmuni	nformation contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more on the filing of this Information Disclosure Statement; or
[]	kı in	ommi nowled the	unication edge of informa	formation contained in this Information Disclosure Statement was cited in a on from a foreign patent office in a counterpart foreign application, and, to the the undersigned, after making reasonable inquiry, no item of information contained tion disclosure statement was known to any individual designated in 37 CFR than three months prior to the filing of this Information Disclosure Statement.
Statem	<u>ien</u>	t Uno	der 37 ((Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000
[]	cc w	mmi as no	unication t receiv	information contained in the Information Disclosure Statement was cited in a son from a foreign patent office in a counterpart application and this communication yed by any individual designated in § 1.56(c) more than thirty days prior to the aformation Disclosure Statement.
[X]	Eı	nclos	ed here	with is form PTO-1449:
	[>	ζ]	Copies	s of the cited references are enclosed.
			[X]	Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
	[]	Applic	of the cited references are enclosed except those entered in prior application, U.S. ation No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier ation contains copies of the cited references.]
	[]	The list	sted references were cited in the enclosed International Search Report in a rpart foreign application.
	[]	The "c	oncise explanation" requirement (non-English references) for reference(s) [37 CFR 1.98(a)(3) is satisfied by:
			[]	the explanation provided on the attached sheet.
			[]	the explanation provided in the Specification.
			[]	submission of the enclosed International Search Report.
			[]	submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
			[]	the enclosed English language abstract.

[]	Appli	cant requests that the following n	on-published pending applic	cations be considered:
Examiner's Initials	;			
	-	U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		Examiner	Date	_
	[]	A copy of each above-cited app	olication, including the curre	nt claims, is enclosed.
	[]	A copy of each above-cited app those entered in prior application 35 U.S.C. 120 is claimed.	olication, including the curre on, U.S. Application No. [nt claims, is enclosed, except], to which priority under
		r is requested to return a copy of ere considered with the next office		plications indicating which
It is re	quested	I that the information disclosed h	erein be made of record in the	nis application.
Metho	d of pa	yment:		
[]	A cheaccom	ck for the fee noted above is enclapanying Reply. A copy of this S	osed, or the fee has been included tatement is enclosed.	cluded in the check with the
[]	Please	e charge Deposit Account 08-038 sed.	0 in the amount of \$[]	. A copy of this Statement is
[X]	Please	charge any deficiency in fees an	d credit any overpayment to	Deposit Account 08-0380.
		R	Respectfully submitted,	
		H	IAMILTON, BROOK, SMI	ΓΗ & REYNOLDS, P.C.
		В	Mary Lou Wakimura Registration No.: 31,804 Telephone: (978) 341-0036 Facsimile: (978) 341-0136	Kein

Concord, MA 01742-9133 Dated: U ()

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

November 18, 2003

(Use several sheets if necessary)

ATTORNEY DOCKET NO. 1440.2032-000	APPLICATION NO.
APPLICANT Robert I Thomas et al	

FILING DATE CONFIRMATION NO. GROUP

	U.S. PATENT DOCUMENTS					
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME		
/NP/	AA	6,029,660	02/29/00	Calluaud et al.		
	AB					
	AC					
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	AC3					

EXAMINER /Nihir Patel/	DATE CONSIDERED 04/24/2008
11	

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. APPLICATION NO. 1440.2032-000		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	APPLICANT Robert J. Thomas et al.		
November 18, 2003	FILING DATE	CONFIRMATION NO.	GROUP
(Use several sheets if necessary)			

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
/NP/	AR	Lorenzi-Filho, G. et al., "Effects of Inhaled Carbon Dioxide and Oxygen on Cheyne-Stokes Respiration in Patients with Heart Failure," <i>American Journal of Respiratory Critical Care Medicine</i> 159:1490-1498 (1999).
/NP/	AS	Javaheri, S. and W.S. Corbett, "Association of Low PaCO ₂ with Central Sleep Apnea and Ventricular Arrhythmias in Ambulatory Patients with Stable Heart Failure," <i>Annals of Internal Medicine 128</i> :204-207, 2/1/98.
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/NP/	AV	Nattie, E., "CO ₂ , Brainstem Chemoreceptors and Breathing," <i>Progress in Neurobiology</i> 59(4):299-331, Nov. 1999.
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/NP/	AZ	Badr, M.S. "Treatment of Refractory Sleep Apnea with Supplemental Carbon Dioxide," American Journal of Respiratory and Critical Care Medicine 150(2):561-4, August 1994.
/NP/	AR2	Thalhofer S. and P. Dorow, "Sleep-Breathing Disorders and Heart Failure," Sleep and Breathing 4:(3)103-111, 2000.
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EXAMINER	/Nihir Patel/	DATE	CONSIDERED	04/24/2008	

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November 18, 2003		FILING DATE	CONFIRMATION NO.	GROUP
i	(Use several sheets if necessary)			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
AT2	Krachman S.L. et al., "Comparison of Oxygen Therapy with Nasal Continuous Positive Airway Pressure on Cheyne-Stokes Respiration During Sleep in Congestive Heart Failure," Chest 116:1550-1557, 1999.			
AU2	Lorenzi-Filho, G. et al., "Effects of Inhaled Carbon Dioxide and Oxygen on Cheyne-Stokes Respiration in Patients with Heart Failure," <i>American Journal of Respiratory Critical Care Medicine 159</i> :1490-1498, 1999.			
AV2	Pack A.I. et al., "Modafinil as Adjunct Therapy for Daytime Sleepiness in Obstructive Sleep Apnea," <i>American Journal of Respiratory Critical Care Medicine 164</i> :1675-1681, 2001.			
AW2	Francis, D.P. et al., "Quantitative General Theory for Periodic Breathing in Chronic Heart Failure and its Clinical Implications," <i>Circulation</i> 102(18):2214-2221, October 31, 2000.			
AX2				
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EXAMINER /Nihir Patel/	CONSIDERED	04/24/2008	